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News

From Air-Conditioning and Refrigeration Institute • 1501 Wilson Blvd., 6th Floor, Arlington, Virginia 22209
For further information contact: Susan Queeney (703) 524-8800 Telex: 89-2351

FOR IMMEDIATE RELEASE

DECEMBER 12, 1983

1982 INSTALLED VALUE OF FIELD-ENGINEERED EQUIPMENT

ARLINGTON, VIRGINIA -- The installed value of field-engineered air-conditioning systems put in place in the U.S. during 1982 showed a decrease over the 1981 figure, the Air-Conditioning and Refrigeration Institute announced this week.

The "installed" value estimate for 1982 was $3,605,533,000, a decrease of 2% over the 1981 figure of $3,669,120,000.

The estimate for installed value of unitary equipment in 1982, announced earlier by ARI, was $5,204,164,136, a decrease of 14.4% from the 1981 unitary installed value. The combination of the two installed value figures for 1982, therefore, resulted in a total of $8,809,697,136, for all air-conditioning put in place last year, with the exception of window air-conditioners. This is a decrease of 9.7% from the 1981 figures.

In determining the installed value figure for field-engineered systems, it is estimated that only 7.5% of the cost of a system represents the basic refrigeration machine while the remaining 92.5% represents air-handling equipment, labor, ducts, controls, plumbing, and all other installation costs.

.....more.....

1969	$ 1,999,267,000
1970	$ 2,136,040,000
1971	$ 2,120,120,000
1972	$ 1,945,293,000
1973	$ 1,968,547,000
1974	$ 2,082,507,000
1975	$ 2,308,494,000
1976	$ 1,915,227,000
1977	$ 1,969,920,000
1978	$ 2,066,920,000
1979	$ 2,447,173,000
1980	$ 3,438,600,000
1981	$ 3,669,120,000
1982	$3,605,533,000

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NEWS RELEASE
FOR IMMEDIATE RELEASE

NOVEMBER 10, 1983

ARI ANNOUNCES AUGUST UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- August U.S. shipments of unitary air-conditioners and heat pumps were 238,945. This was an increase of 72.4% over August, 1982. Year-to-date shipments were 1,844,593, up 37.9% as compared to January/August figures a year ago.

Included in the total figures were August shipments of heat pumps which were 51,904. This is an increase of 107.9% compared to shipments in August, 1982. The cumulative shipments for heat pumps for the first eight months of 1983 were 397,009. This is an increase of 58.5% over the same period of 1982.

August factory stocks are down 61,000 units from July and are down about 47,500 units compared to August, 1982.

August distributor shipments were up 45% over August a year ago. The year-to-date shipments are up 37%.

Distributor inventories are down 37,700 units compared to July and are down some 6,100 units from August, 1982.

August U.S. dollar bookings of hermetic centrifugals were down 44%, thus making the year-to-date down 10% compared with 1982.

OVER.....

August U.S. dollar bookings of reciprocating liquid chillers were up 47% with a year-to-date loss of 2%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Date AUG, 1983

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS: CONDENSER-TYPE AIR OR EVAP. COOLED A	NUMBER OF UNITS: CONDENSER-TYPE WATER COOLED B	U.S. TOTAL C	% CHGE FROM 1982
CONDENSED SUMMARY BY SIZE	Under 16.5		4059		4059	127.7+
	16.5-21.9		26960		26960	84.2+
	22-26.9		49748		49748	94.8+
	27-32.9		44668		44668	94.2+
	33-38.9		51211	63	51274	91.4+
	39-43.9		16705		16705	60.3+
	44-53.9		17819		17819	32.9+
	54-64.9		18439	129	18568	35.0+
	65-96.9		3778	87	3865	36.1+
	97-134.9		2533	61	2594	13.7+
	135-184.9		1314	50	1364	1.1-
	185-249.9		496	17	513	20.4+
	250-319.9		272	6	278	9.4-
	320-379.9		127	21	148	12.9-
	380-539.9		132	23	155	14.8-
	540-639.9		61	26	87	4.8+
	640 and over		139	1	140	55.6+
	TOTAL		238461	484	238945	72.4

11/17/83
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NEWS RELEASE

FOR IMMEDIATE RELEASE

NOVEMBER 15, 1983

EDITORIAL CORRECTION

Please be advised that the release dated November 10, 1983 entitled, ARI Announces August Unitary Shipments, contained an error. The copy, in its corrected form, should read:

"August U.S. dollar bookings of hermetic centrifugals were down 44%, thus making the year-to-date down 5% compared with 1982."

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NEWS RELEASE

FOR IMMEDIATE RELEASE

NOVEMBER 15, 1983

ARI ANNOUNCES SEPTEMBER UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- September U.S. shipments of unitary air-conditioners and heat pumps were 214,555. This was an increase of 79.7% over September, 1982. Year-to-date shipments were 2,059,148, up 41.4% as compared to January-September figures a year ago.

Included in the total figures were September shipments of heat pumps which were 56,519. This is an increase of 121.9% compared to shipments in September, 1982. The cumulative shipments for heat pumps for the first nine months of 1983 were 453,528. This is an increase of 64.3% over the same period of 1982.

September factory stocks are up 4,200 units over August and are down about 32,000 units compared to September, 1982.

September distributor shipments were up 58% over September a year ago. The year-to-date shipments are up 39%.

Distributor inventories are down 22,500 units compared to August and are up some 2,100 units over September, 1982.

September U.S. dollar bookings of hermetic centrifugals were down 44%, thus making the year-to-date down 10% compared with 1982.

September U.S. dollar bookings of reciprocating liquid chillers were up 13% with a year-to-date loss of 1%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date SEPT., 1983

	SIZE BTUH (000)		UNITED STATES NUMBER OF UNITS CONDENSER TYPE AIR OR EVAP COOLED A	WATER COOLED B	U.S. TOTAL C	% CHGE FROM 1982
CONDENSED SUMMARY BY SIZE	Under 16.5		3673		3673	125.8+
	16.5-21.9		26275		26275	102.6+
	22-26.9		46271		46271	97.0+
	27-32.9		37042		37042	90.0+
	33-38.9		45408	152	45560	87.8+
	39-43.9		14063	1	14064	64.6+
	44-53.9		15858		15858	43.5+
	54-64.9		16633	198	16831	55.5+
	65-96.9		3811	107	3918	45.1+
	97-134.9		2331	66	2397	16.6+
	135-184.9		1218	34	1252	1.9+
	185-249.9		571	26	597	77.2+
	250-319.9		250	7	257	12.6-
	320-379.9		177	4	181	6.5+
	380-539.9		168	11	179	38.8+
	540-639.9		71	4	75	25.0-
	640 and over		125		125	14.4-
	TOTAL		213945	610	214555	79.7

12/15/83
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NEWS RELEASE

FOR IMMEDIATE RELEASE

DECEMBER 12, 1983

ARI ANNOUNCES OCTOBER UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- October U.S. shipments of unitary air-conditioners and heat pumps were 219,700. This was an increase of 74.8% over October, 1982. Year-to-date shipments were 2,278,848, up 44.0% as compared to January-October figures a year ago.

Included in the total figures were October shipments of heat pumps which were 63,409. This is an increase of 96.3% compared to shipments in October, 1982. The cumulative shipments for heat pumps for the first 10 months of 1983 were 516,937. This is an increase of 74.0% over the same period of 1982.

October factory stocks are up 30,000 units over September and are down about 14,500 compared to October, 1982.

October distributor shipments were up 48% over October a year ago. The year-to-date shipments are up 40%.

Distributor inventories are up 8,000 units compared to September and are up some 27,800 units over October, 1982.

OVER.....

October U.S. dollar bookings of hermetic centrifugals were down 10%, thus making the year-to-date down 10% compared with 1982.

October U.S. dollar bookings of reciprocating liquid chillers were down 8% with a year-to-date loss of 1%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date OCT., 1983

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS				
			CONDENSER-TYPE		U.S. TOTAL C	% CHGE FROM 1982	
			AIR OR EVAP. COOLED A	WATER COOLED B			
CONDENSED SUMMARY BY SIZE	Under 16.5		5381		5081	82.0+	
	16.5-21.9		30405		30405	93.1+	
	22-26.5		46301		46301	72.7+	
	27-32.9		37243		37243	97.1+	
	33-38.9		40258	28	40286	63.4+	
	39-43.9		16894	1-	16893	91.4+	
	44-53.9		16821		16821	78.8+	
	54-64.9		16161	103	16264	52.5+	
	65-96.9		3915	63	3998	26.8+	
	97-134.9		2356	95	2951	39.3+	
	135-184.9		1823	44	1867	68.2+	
	185-249.9		482	49	531	6.5-	
	250-319.9		294	34	328	8.3+	
	320-379.9		249	35	284	59.6+	
	380-539.9		169	7	176	9.3+	
	540-639.9		111	13	124	1.6+	
	640 and over		141	6	147	10.9-	
	TOTAL		219204	495	219700	74.8	

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NEWS RELEASE

FOR IMMEDIATE RELEASE

JANUARY 20, 1984

ARI ANNOUNCES NOVEMBER UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- November U.S. shipments of unitary air-conditioners and heat pumps were 190,923. This was an increase of 57.0% over November, 1982. Year-to-date shipments were 2,469,771, up 45.0% as compared to January-November figures a year ago.

Included in the total figures were November shipments of heat pumps which were 54,645. This is an increase of 61.4% compared to shipments in November, 1982. The cumulative shipments for heat pumps for the first 11 months of 1983 were 571,582. This is an increase of 67.0% over the same period of 1982.

November factory stocks are up 6,500 units over October and are down about 16,000 units compared to November, 1982.

November distributor shipments were up 40% over November a year ago. The year-to-date shipments are up 40%.

Distributor inventories are up 14,900 units compared to October and are up some 46,800 units compared to November, 1982.

November U.S. dollar bookings of hermetic centrifugals were up 17%, thus making the year-to-date down 7% compared with 1982.

November U.S. dollar bookings of reciprocating liquid chillers were up 8% with virtually no change in the year-to-date compared to 1982.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1815 North Fort Myer Drive, Arlington, Virginia 22209

Date NOV., 1983

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS: CONDENSER-TYPE AIR OR EVAP. COOLED A	NUMBER OF UNITS: CONDENSER-TYPE WATER COOLED B	U.S. TOTAL C	% CHG. FROM 1982
CONDENSED SUMMARY BY SIZE	Under 16.5		2993		2993	3.0-
	16.5-21.9		23284		23284	29.2+
	22-26.9		44032		44032	67.8+
	27-32.9		34060		34060	76.1+
	33-38.9		36891	46	36937	66.6+
	39-43.9		12654	1	12655	56.9+
	44-53.9		15302		15302	78.4+
	54-64.9		13833	42	13875	43.6+
	65-96.9		3249	53	3302	38.6+
	97-134.9		1903	40	1943	6.3+
	135-184.9		1389	40	1429	23.6+
	185-249.9		415	33	448	13.4+
	250-319.9		206	14	220	.5+
	320-379.9		138	7	145	1.4-
	380-539.9		112	6	118	.9+
	540-639.9		59	8	67	19.6+
	640 and over		102	11	113	7.6+
	TOTAL		190o22	301	190923	57.0

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NEWS RELEASE

FOR IMMEDIATE RELEASE
MARCH 5, 1985

ARI ANNOUNCES DECEMBER UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- U.S. shipments of unitary air-conditioners and heat pumps were 198,550. This was an increase of 26.1% over December, 1982. Year-to-date shipments were 2,668,321, up 43.4% as compared to January-December figures a year ago.

Included in the total figures were December shipments of heat pumps which were 58,194. This is an increase of 40.6% compared to shipments in December, 1982. The cumulative shipments for heat pumps for full year 1983 were 629,776. This is an increase of 64.2% over 1982.

December factory stocks are up 28,000 units over November and are up about 45,400 units compared to December, 1982.

December distributor shipments were up 44% over December a year ago. The year-to-date shipments are up 40%.

Distributor inventories are down 29,800 units compared to November and are up some 17,900 units compared to December, 1982.

MORE.....

December U.S. dollar bookings of hermetic centrifugals were up 41%, thus making the year-to-date down 4% compared with 1982.

December U.S. dollar bookings of reciprocating liquid chillers were up 16%, with a year-to-date gain of 1%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Date DEC., 1983

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS			
			CONDENSER-TYPE		U.S. TOTAL C	% CHG. FROM 1982
			AIR OR EVAP. COOLED A	WATER COOLED B		
CONDENSED SUMMARY BY SIZE	Under 16.5		5510		5510	10.5+
	16.5-21.9		28872		28872	23.5+
	22-26.9		46063		46063	38.5+
	27-32.9		32943	7	32950	19.9+
	33-38.9		36391	64	36455	27.0+
	39-43.9		13082		13082	32.2+
	44-53.9		13317		13317	25.7+
	54-64.9		13016	96	13112	16.2+
	65-96.9		3509	80	3589	34.2+
	97-134.9		2428	73	2501	14.6+
	135-184.9		1472	47	1519	.3-
	185-249.9		509	23	532	4.1+
	250-319.9		321	21	342	3.9-
	320-379.9		237	25	262	37.9+
	380-539.9		172	15	187	6.9+
	540-639.9		98	4	102	30.8+
	640 and over		149	6	155	9.2+
	TOTAL		198089	461	198550	26.1

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NEWS RELEASE

FOR IMMEDIATE RELEASE MARCH 27, 1984

ARI ANNOUNCES JANUARY UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- January U.S. shipments of unitary air-conditioners and heat pumps were 233,806. This was an increase of 50.2% compared to January, 1983.

Included in the total figures were January shipments of heat pumps which were 58,189. This is an increase of 67.5% compared to shipments in January, 1983.

January factory stocks are up 28,200 units over December and are up about 53,700 units over January, 1983.

January distributor shipments were up 43% over January a year ago.

Distributor inventories are down 1,000 units compared to December and are up some 75,300 units over January, 1983.

January U.S. dollar bookings of hermetic centrifugals were down 28%.

January U.S. dollar bookings of reciprocating liquid chillers are unavailable at present.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Date JANUARY, 1984

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

			UNITED STATES							
			NUMBER OF UNITS							
			CONDENSER-TYPE							
	SIZE BTUH (000)		AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHGE. FROM 1983				
CONDENSED SUMMARY BY SIZE	Under 16.5		3240		3240	13.3-				
	16.5-21.9		27815		27815	39.1+				
	22-26.9		51727		51727	47.0+				
	27-32.9		46964	2	46966	67.4+				
	33-38.9		49871	47	49918	64.9+				
	39-43.9		15942		15942	62.5+				
	44-53.9		17155		17155	52.7+				
	54-64.9		14331	84	14415	26.3+				
	65-96.9		2631	59	2690	15.8+				
	97-134.9		1664	31	1695	4.8+				
	135-184.9		1091	42	1133	12.0+				
	185-249.9		395	17	412	23.7+				
	250-319.9		218	7	225	17.2+				
	320-379.9		106	7	113	24.7-				
	380-539.9		133	7	140	30.8+				
	540-639.9		65	8	73	.0				
	640 and over		147		147	14.0+				
	TOTAL		233495	311	233806	50.2				

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NEWS RELEASE

FOR IMMEDIATE RELEASE APRIL 26, 1984

ARI ANNOUNCES FEBRUARY UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- February U.S. shipments of unitary air-conditioners and heat pumps were 260,997. This was an increase of 55.6% compared to February, 1983. Year-to-date shipments were 494,803, up 53% as compared to January-February figures a year ago.

Included in the total figures were February shipments of heat pumps which were 59,164. This is an increase of 60.1% over shipments in February, 1983. The cumulative shipments for heat pumps for the first two months of 1984 were 117,353. This is an increase of 63.7% compared to the same period of 1983.

February factory stocks are up 14,300 units over January and are up about 31,600 units over February, 1983.

February distributor shipments were up 29% over February a year ago. The year-to-date shipments are up 30%.

MORE . . . . . .

Distributor inventories are up 63,600 units compared to January and are up some 134,000 units over February, 1983.

February U.S. dollar bookings of hermetic centrifugals were up 36%, thus making the year-to-date up 40% compared with 1983.

February U.S. dollar bookings of reciprocating liquid chillers were up 14% with a year-to-date loss of 2%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Date FEBRUARY, 1984

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS			
			CONDENSER-TYPE			
			AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHGE. FROM 1983
CONDENSED SUMMARY BY SIZE	Under 16.5		4139		4139	80.7+
	16.5-21.9		29946		29946	49.8+
	22-26.9		64255		64255	69.2+
	27-32.9		52063	2-	52061	70.9+
	33-38.9		51836	33	51869	49.2+
	39-43.9		17134		17134	48.3+
	44-53.9		16717		16717	34.1+
	54-64.9		15780	130	15910	32.7+
	65-96.9		3734	29	3763	46.0+
	97-134.9		2437	52	2489	54.7+
	135-184.9		1361	38	1399	45.4+
	185-249.9		435	16	451	2.4-
	250-319.9		236	8	244	17.3+
	320-379.9		168	23	191	43.6+
	380-539.9		137	21	158	33.9+
	540-639.9		107	6	113	109.3+
	640 and over		151	7	158	66.3+
	TOTAL		260636	361	260997	55.6

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NEWS RELEASE
FOR IMMEDIATE RELEASE MAY 16, 1984

ARI REPORTS 1983 RESIDENTIAL INSTALLATIONS OF UNITARY EQUIPMENT INCREASED AND COMMERCIAL INSTALLATIONS DECREASED

ARLINGTON, VIRGINIA -- Shipments of unitary air-conditioning equipment for use in residential installations increased 56.1% in 1983 and commercial installations decreased 3.8% from 1982 figures, the Air-Conditioning and Refrigeration Institute announced this week.

There were 2,287,159 residential units shipped last year, accounting for 85.7% of installations. A total of 381,162 or 14.3% were for commercial installations.

The 1983 figures are in marked contrast to those posted in 1953, the first year for which statistics were available, when 66.9% of total unitary shipments went into commercial installations and only 33.1% into residential. However, the residential share passed the commercial portion two years later when it accounted for 56.5% of units shipped and has steadily drawn away from commercial installations.

The following tabulation shows the changing pattern in the shares of residential and commercial applications, and of exports, the latter first being reported in 1960.

		% of Total
1953		
Total	126,813	
Residential	41,992	33.1
Commercial	84,821	66.9
1954		
Total	160,909	
Residential	80,001	49.7
Commercial	80,908	50.3
1955		
Total	196,861	
Residential	111,158	56.5
Commercial	85,703	43.5
1956		
Total	254,403	
Residential	147,224	57.9
Commercial	107,179	42.1
1957		
Total	217,042	
Residential	126,071	58.1
Commercial	90,971	41.9
1958		
Total	230,541	
Residential	140,988	61.2
Commercial	89,553	38.8

1959		
Total	306,814	
Residential	191,923	62.6
Commercial	114,891	37.4
1960		% of U.S.
Total Shipments	350,442	
Export	9,300	
Total U.S.	341,122	
Residential	217,148	63.7
Commercial	123,974	36.3
1961		
Total Shipments	365,764	
Export	9,558	
Total U.S.	356,206	
Residential	238,206	66.9
Commercial	118,000	33.1
1962		
Total Shipments	467,719	
Export	12,211	
Total U.S.	455,508	
Residential	305,190	67.0
Commercial	150,318	33.0
1963		
Total Shipments	580,099	
Export	14,444	
Total U.S.	565,655	
Residentail	400,759	70.8
Commercial	164,896	29.2
1964		
Total Shipments	701,569	
Export	17,233	
Total U.S.	684,336	
Residential	483,593	70.7
Commercial	200,743	29.3
1965		
Total Shipments	826,422	
Export	20,682	
Total U.S.	805,740	
Residential	580,997	72.1
Commercial	224,743	27.9

		% of U.S.
1966		
Total Shipments	958,546	
Export	20,663	
Total U.S.	937,883	
Residential	652,736	69.6
Commercial	285,147	30.4
1967		
Total Shipments	1,047,231	
Export	25,179	
Total U.S.	1,022,052	
Residential	714,025	69.9
Commercial	308,027	30.1
1968		
Total Shipments	1,234,611	
Export	30,412	
Total U.S.	1,204,199	
Residential	847,387	70.4
Commercial	356,812	29.6
1969		
Total Shipments	1,635,025	
Export	33,681	
Total U.S.	1,601,344	
Residential	1,174,570	73.3
Commercial	426,774	26.7
1970		
Total Shipments	1,616,018	
Export	44,027	
Total U.S.	1,571,991	
Residential	1,172,223	74.6
Commercial	399,768	25.4
1971		
Total Shipments	1,876,879	
Export	43,561	
Total U.S.	1,833,318	
Residential	1,408,413	76.8
Commercial	424,905	23.2
1972		
Total Shipments	2,436,455	
Export	44,125	
Total U.S.	2,392,330	
Residential	1,826,519	76.3
Commercial	565,811	23.7

		% of U.S.
1973		
Total Shipments	2,839,434	
Export	71,642	
Total U.S.	2,767,792	
Residential	2,147,546	77.6
Commercial	620,246	22.4
1974		
Total Shipments	2,488,828	
Export	99,404	
Total U.S.	2,389,424	
Residential	1,889,577	79.1
Commercial	499,847	20.9
1975		
Total Shipments	1,622,497	
Export	81,013	
Total U.S.	1,541,484	
Residential	1,174,578	76.2
Commercial	366,906	23.8
1976		
Total Shipments	2,327,559	
Export	168,349	
Total U.S.	2,159,210	
Residential	1,700,682	78.8
Commercial	458,528	21.2
1977		
Total Shipments	2,615,121	
Export	150,681	
Total U.S.	2,464,440	
Residential	1,999,924	81.2
Commercial	464,516	18.8
1978		
Total Shipments	2,821,479	
Export	106,842	
Total U.S.	2,714,637	
Residential	2,284,530	84.2
Commercial	430,107	15.8

		% of U.S.
1979		
Total Shipments	2,793,910	
Export	113,313	
Total U.S.	2,680,597	
Residential	2,158,237	80.5
Commercial	522,360	19.5
1980		
Total Shipments	2,293,080	
Export	126,366	
Total U.S.	2,166,714	
Residential	1,720,849	79.4
Commercial	445,865	20.6
1981		
Total Shipments	2,498,252	
Export	130,769	
Total U.S.	2,367,483	
Residential	1,828,991	77.3
Commercial	538,492	22.7
1982		
Total Shipments	1,959,523	
Export	98,280	
Total U.S.	1,861,243	
Residential	1,465,094	78.7
Commercial	396,149	21.3
1983		
Total shipments	2,744,728	
Export	76,407	
Total U.S.	2,668,321	
Residential	2,287,159	85.7
Commercial	387,162	14.3

News

From Air-Conditioning and Refrigeration Institute • 1501 Wilson Blvd., 6th Floor, Arlington, Virginia 22209
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NEWS RELEASE
FOR IMMEDIATE RELEASE MAY 16, 1984

ARI REPORTS VALUE OF UNITARY AIR-CONDITIONING EQUIPMENT $7.1 BILLION DURING 1983

ARLINGTON, VIRGINIA -- The installed value of unitary air-conditioning equipment in the United States during 1983 increased by 36.93% from the 1982 installed value, the Air-Conditioning and Refrigeration Institute reported recently.

Installed value of unitary equipment reached 7,125,914,000 up from the 1982 figure of 5,204,164,000.

Commercial installation accounted for $2,190,224,000 of the total while residential unitary installed value came to $4,935,690,000, according to estimates compiled by ARI's Business Research Department from information supplied by manufacturers.

"Installed value" covers not only the cost of unitary air-conditioner as shipped from the factory, but also labor, ductwork, registers and grilles, thermostatic and other controls, electrical wiring and other components of the system which is engineered by the contractor or dealer.

"Unitary" represents the equipment used in most central residential installations plus some commercial and industrial installations which use packaged equipment.

The totals below show the growth of the unitary air-conditioning market over the past 27 years, particular central residential installations:

ESTIMATED INSTALLED VALUE OF UNITARY AIR-CONDITIONERS

YEAR	RESIDENTIAL	COMMERCIAL	TOTAL
1956	$ 174,011,400	$ 290,796,100	$ 464,807,500
1957	176,230,800	226,582,300	402,813,100
1958	204,602,850	219,489,200	424,092,050
1959	266,675,850	283,136,700	549,812,550
1960	318,477,150	312,648,350	631,125,500
1961	338,139,000	280,286,300	618,425,300
1962	408,623,850	345,652,300	754,276,150
1963	451,360,800	390,610,800	841,971,600
1964	532,020,800	464,249,600	996,270,400
1965	632,567,600	543,029,600	1,175,597,200
1966	718,252,000	671,604,400	1,389,856,400
1967	783,604,000	749,020,000	1,532,624,000
1968	950,191,600	834,616,000	1,784,807,600
1969	1,295,766,400	981,417,200	2,277,183,600
1970	1,360,817,315	986,784,758	2,347,602,073
1971	1,649,497,029	1,095,759,074	2,745,256,103
1972	2,163 792,878	1,352,464,750	3,516,257,628
1973	2,582,223,238	1,570,293,453	4,152,516,691
1974	2,433,902,714	1,477,470,080	3,911,372,974
1975	1,791,216,492	1,164,231,182	2,955,447,674
1976	2,683,372,806	1,437,146,797	4,120,519,603
1977	3,264,487,814	1,541,671,701	4,806,159,515
1978	3,940,958,613	1,587,475,305	5,528,433,918
1979	3,990,624,988	1,945,812,933	5,936,442,921
1980	3,355,429,440	1,830,580,224	5,186,009,644
*1981	3,795,551,720	2,268,348,029	6,081,899,749
1982	3,328,428,632	1,875,735,504	5,204,164,136
1983	4,935,690,000	2,190,224,000	7,125,914,000

* Revised figures

5/31/84
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NEWS RELEASE

FOR IMMEDIATE RELEASE MAY 29, 1984

ARI ANNOUNCES MARCH UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- March U.S. shipments of unitary air-conditioners and heat pumps were 300,448. This was an increase of 36.4% compared to March, 1983. Year-to-date shipments were 795,251, up 46.3% as compared to January-March figures a year ago.

Included in the total figures were March shipments of heat pumps which were 68,055. This is an increase of 37.1% compared to shipments in March, 1983. The cumulative shipments for heat pumps for the first three months of 1984 were 185,408. This is an increase of 53.1% compared to the same period of 1983.

March factory stocks are up 12,000 units over February and are up about 32,700 units over March, 1983.

March distributor shipments were up 41% over March a year ago. The year-to-date shipments are up 34%.

OVER.....

Distributor inventories are up 24,500 units compared to March and are up some 133,600 units compared to March, 1983.

March U.S. dollar bookings of hermetic centrifugals were up 1%, thus making the year-to-date up 19% compared with 1983.

March U.S. dollar bookings of reciprocating liquid chillers were up 6% with a year-to-date gain of 1%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Date MARCH, 1984

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS			
			CONDENSER TYPE		U.S. TOTAL C	% CHG. FROM 1983
			AIR OR EVAP. COOLED A	WATER COOLED B		
CONDENSED SUMMARY BY SIZE	Under 16.5		5909		5909	50.7+
	16.5-21.9		35894	1	35895	49.3+
	22-26.9		68480		68480	48.8+
	27-32.9		52742		52742	25.2+
	33-38.9		64433	66	64549	47.0+
	39-43.9		21093		21093	11.4+
	44-53.9		20444		20444	22.7+
	54-64.9		20689	139	20828	33.1+
	65-96.9		4142	91	4233	5.8-
	97-134.9		2374	66	2940	35.4+
	135-184.9		1737	49	1786	51.2+
	185-249.9		546	25	571	58.6+
	250-319.9		298	26	324	7.6+
	320-379.9		166	31	197	9.6-
	380-539.9		187	16	203	51.5+
	540-639.9		96	2	98	16.7+
	640 and over		146	10	156	9.1+
	TOTAL		299926	522	300448	36.4

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NEWS RELEASE

FOR IMMEDIATE RELEASE JUNE 11, 1984

ARI ANNOUNCES APRIL UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- April U.S. shipments of unitary air-conditioners and heat pumps were 316,008. This was an increase of 31.2% compared to April, 1983. Year-to-date shipments were 1,111,259, up 41.6% as compared to January-April figures a year ago.

Included in the total figures were April shipments of heat pumps which were 63,516. This is an increase of 23.1% over shipments in April, 1983. The cumulative shipments for heat pumps for the first four months of 1984 were 248,924. This is an increase of 44.1% over the same period of 1983.

April factory stocks are up 33,700 units over March and are up about 50,500 units compared to April, 1983.

April distributor shipments were up 41% over April a year ago. The year-to-date shipments are up 36%.

MORE.....

Distributor inventories are up 41,800 units compared to March and are up some 128,500 units over April, 1983.

April U.S. dollar bookings of hermetic centrifugals were up 36% thus making the year-to-date up 23% compared with 1983.

April U.S. dollar bookings of reciprocating liquid chillers were up 73% with a year-to-date gain of 18%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

Date APRIL, 1984

	SIZE BTUH (000)		UNITED STATES NUMBER OF UNITS CONDENSER-TYPE AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHG. FROM 1983
CONDENSED SUMMARY BY SIZE	Under 16.5		5540		5540	19.7+
	16.5-21.9		37952	2	37954	39.2+
	22-26.9		65533		65533	24.3+
	27-32.9		60281		60281	34.8+
	33-38.9		60317	103	60420	17.2+
	39-43.9		29657		29657	68.6+
	44-53.9		21937		21937	30.4+
	54-64.9		22318	239	22557	39.0+
	65-96.9		5096	129	5225	41.9+
	97-134.9		3276	82	3358	31.3+
	135-184.9		1768	46	1814	36.4+
	185-249.9		564	42	606	1.0-
	250-319.9		295	32	327	22.9-
	320-379.9		229	34	263	7.8+
	380-539.9		202	39	241	33.1+
	540-639.9		107	33	140	6.1+
	640 and over		145	10	155	23.8-
	TOTAL		315217	791	316008	31.2

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NEWS RELEASE

FOR IMMEDIATE RELEASE JULY 23, 1984

ARI ANNOUNCES MAY UNITARY SHIPMENTS

ARLINGTON, VIRGINIA--May U.S. shipments of unitary air-conditioners and heat pumps were 343,742. This was an increase of 43.1% compared to May, 1983. Year-to-date shipments were 1,455,000, up 42.0% as compared to January-May figures a year ago.

Included in the total figures were May shipments of heat pumps which were 71,896. This is an increase of 32.1% over shipments in May, 1983. The cumulative shipments for heat pumps for the first 5 months of 1984 were 320,820. This is an increase of 41.3% over the same period of 1983.

May factory stocks are down 10,200 units from April and are up about 35,800 units over May 1983.

May distributor shipments were up 36% over May a year ago. The year-to-date shipments are up 36%.

Distributor inventories are up 32,000 units compared to April and are up some 149,800 units compared to May, 1983.

MORE.....

May U.S. dollar bookings of hermetic centrifugals were up 52%, thus making the year-to-date up 29% compared with 1983.

May U.S. dollar bookings of reciprocating liquid chillers were up 26% with a year-to-date gain of 20%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Date MAY, 1984

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS				
			CONDENSER-TYPE		U.S. TOTAL C	% CHG. FROM 1983	
			AIR OR EVAP. COOLED A	WATER COOLED B			
CONDENSED SUMMARY BY SIZE	Under 16.5		5714		5714	18.5+	
	16.5-21.9		38270	1	38271	29.7+	
	22-26.9		74788		74788	48.3+	
	27-32.9		65236		65236	49.7+	
	33-38.9		73639	84	73723	41.0+	
	39-43.9		24068		24068	46.3+	
	44-53.9		24650		24650	42.6+	
	54-64.9		24035	204	24239	37.8+	
	65-96.9		5180	170	5350	56.6+	
	97-134.9		3439	106	3545	36.8+	
	135-184.9		2202	87	2289	57.8+	
	185-249.9		617	35	652	96.4+	
	250-319.9		398	17	415	174.8+	
	320-379.9		205	43	248	119.5+	
	380-539.9		217	33	250	113.7+	
	540-639.9		114	33	147	141.0+	
	640 and over		151	6	157	161.7+	
	TOTAL		342923	819	343742	43.1	

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News

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FOR IMMEDIATE RELEASE

SEPTEMBER 5, 1984

1983 INSTALLED VALUE OF FIELD-ENGINEERED EQUIPMENT

ARLINGTON, VIRGINIA -- The installed value of field-engineered air-conditioning systems put in place in the U.S. during 1983 showed an increase over the 1982 figure, the Air-Conditioning and Refrigeration Institute announced this week.

The "installed" value estimate for 1983 was $4,834,200,000, an increase of 34.1% over the 1982 figure of $3,605,533,000.

The estimate for installed value of unitary equipment in 1983, announced earlier by ARI, was $7,125,914,000, an increase of 36.9% from the 1982 unitary installed value. The combination of the two installed value figures for 1983, therefore, resulted in a total of $11,960,114,000, for all air-conditioning put in place last year, with the exception of window air-conditioners. This is an increase of 35.8% from the 1982 figures.

In determining the installed value figure for field-engineered systems, it is estimated that only 7.5% of the cost of a system represents the basic refrigeration machine while the remaining 92.5% represents air-handling equipment, labor, ducts, controls, plumbing, and all other installation costs.

.....more.....

1969	$ 1,999,267,000
1970	$ 2,136,040,000
1971	$ 2,120,120,000
1972	$ 1,945,293,000
1973	$ 1,968,547,000
1974	$ 2,082,507,000
1975	$ 2,308,494,000
1976	$ 1,915,227,000
1977	$ 1,969,920,000
1978	$ 2,066,920,000
1979	$ 2,447,173,000
1980	$ 3,438,600,000
1981	$ 3,669,120,000
1982	$ 3,605,533,000
1983	$ 4,834,200,000

A0300-1H

News

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NEWS RELEASE

FOR IMMEDIATE RELEASE AUGUST 27, 1984

ARI ANNOUNCES JUNE UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- June U.S. shipments of unitary air-conditioners and heat pumps were 419,109. This was an increase of 50.1% compared to June, 1983. Year-to-date shipments were 1,874,110, up 43.7% as compared to January-June figures a year ago.

Included in the total figures were June shipments of heat pumps which were 75,107. This is an increase of 37.6% over shipments in June 1983. The cumulative shipments for heat pumps for the first 6 months of 1984 were 395,927. This is an increase of 40.6% over the same period of 1983.

June factory stocks are down 38,500 units from May and are up about 2,500 units over June, 1983.

June distributor shipments were up 58% over June a year ago. The year-to-date shipments are up 41%.

MORE.....

Distributor inventories are down 2,900 units compared to May and are up some 135,500 units over June, 1983.

June U.S. dollar bookings of hermetic centrifugals were up 3%, thus making the year-to-date up 22% compared with 1983.

June U.S. dollar bookings of reciprocating liquid chillers were up 54% with a year-to-date gain of 25%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Date JUNE, 1984

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

	SIZE BTUH (000)		UNITED STATES NUMBER OF UNITS CONDENSER-TYPE AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHG. FROM 1983
CONDENSED SUMMARY BY SIZE	Under 16.5		6305		6305	7.3+
	16.5-21.9		41227	1	41228	21.0+
	22-26.9		93933		93933	59.2+
	27-32.9		80778		80778	53.4+
	33-38.9		89902	138	90040	54.5+
	39-43.9		28605		28606	52.9+
	44-53.9		34536		34536	71.8+
	54-64.9		28205	264	28469	41.3+
	65-96.9		6624	101	6725	53.2+
	97-134.9		3916	115	4031	46.6+
	135-184.9		2471	43	2514	43.0+
	185-249.9		605	14	619	17.7+
	250-319.9		389	20	409	21.7+
	320-379.9		295	33	328	61.6+
	380-539.9		232	21	253	29.1+
	540-639.9		135	20	155	40.9+
	640 and over		170	10	180	44.0+
	TOTAL		418329	780	419109	50.1

A0300-1

News

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NEWS RELEASE

FOR IMMEDIATE RELEASE SEPTEMBER 25, 1984

ARI ANNOUNCES JULY UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- July U.S. shipments of unitary air-conditioners and heat pumps were 360,735. This was an increase of 19.6% compared to July 1983. Year-to-date shipments were 2,234,845, up 39.2% as compared to January-July figures a year ago.

Included in the total figures were July shipments of heat pumps which were 71,881. This is an increase of 13.2% compared to shipments in July, 1983. The cumulative shipments for heat pumps for the first 7 months of 1984 were 467,808. This is an increase of 35.6% compared to the same period of 1983.

July factory stocks are down 17,600 units from June and are up about 29,000 units over July, 1983.

July distributor shipments were up 8% over July a year ago. The year-to-date shipments are up 34%.

MORE.....

Distributor inventories are up 8,600 units compared to June and are up some 169,300 units over July, 1983.

July U.S. dollar bookings of hermetic centrifugals were up 74%, thus making the year-to-date up 27% compared with 1983.

July U.S. dollar bookings of reciprocating liquid chillers were up 31% with a year-to-date gain of 26%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

Date JULY, 1984

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS: CONDENSER-TYPE AIR OR EVAP COOLED A	NUMBER OF UNITS: CONDENSER-TYPE WATER COOLED B	U.S. TOTAL C	% CHG. FROM 1983
CONDENSED SUMMARY BY SIZE	Under 16.5		5865		5865	5.8-
	16.5-21.9		38838		38838	25.8+
	22-26.9		76361		76361	3.0+
	27-32.9		65567		65567	15.8+
	33-38.9		76825	132	76957	24.1+
	39-43.9		26369	1	26370	29.5+
	44-53.9		27835		27835	26.8+
	54-64.9		28359	203	28562	33.1+
	65-96.9		5768	220	5988	31.9+
	97-134.9		3960	187	4147	29.1+
	135-184.9		2188	54	2242	20.9+
	185-249.9		702	35	737	10.0+
	250-319.9		399	22	421	7.9+
	320-379.9		231	17	248	15.9+
	380-539.9		204	51	255	41.7+
	540-639.9		114	9	123	8.9-
	640 and over		193	6	199	24.4+
	TOTAL		359818	917	360735	19.6

A0300-1

News

From Air-Conditioning and Refrigeration Institute • 1501 Wilson Blvd., 6th Floor, Arlington, Virginia 22209

FOR IMMEDIATE RELEASE

October 24, 1984

For further information contact Mike Heininger, (703) 524-8800, Telex 89-2351

ARI ANNOUNCES AUGUST UNITARY SHIPMENTS

Arlington, Va. -- U.S. shipments of unitary air-conditioners and heat pumps during August totalled 244,913. This was an increase of 2.5 percent compared to August 1983. Year-to-date shipments were 2,479,758, up 34.4 percent compared to January-August figures a year ago.

Included in the August figures were 58,678 shipments of heat pumps. This is an increase of 13.1 percent compared to shipments in August 1983. Cumulative shipments of heat pumps for the first eight months of 1984 were 526,486, an increase of 32.6 percent over January-August 1983.

August factory stocks were down 21,300 units from July, but were up about 69,400 units over August 1983.

August distributor shipments were down 11 percent from August 1983, but year-to-date shipments are up 27 percent.

Distributor inventories were up 7,800 units compared to July, and up some 205,000 units over August 1983.

(more)

August U.S. dollar bookings of hermetic centrifugals were down 5 percent, making the year-to-date percentage up 20 percent compared to 1983.

August U.S. dollar bookings of reciprocating liquid chillers were up 1 percent, increasing the year-to-date gain to 23 percent.

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AIR-CONDITIONING AND REFRIGERATION INSTITUTE
1501 Wilson Blvd., Suite 600, Arlington, Virginia 22209

Date AUGUST, 1984

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS: CONDENSER-TYPE AIR OR EVAP COOLED A	NUMBER OF UNITS: CONDENSER-TYPE WATER COOLED B	U S TOTAL C	% CHG. FROM 1983
CONDENSED SUMMARY BY SIZE	Under 16 5		4458		4458	9.8+
	16 5-21 9		28611		28611	6.1+
	22-26 9		50051		50051	.6+
	27-32 9		41514		41514	7.1-
	33-38 9		46554	70	46624	9.1-
	39-43 9		18233		18238	9.2+
	44-53 9		20731		20731	16.3+
	54-64 9		23369	151	23520	26.7+
	65-96 9		4549	79	4628	19.7+
	97-134 9		3030	69	3099	19.5+
	135-184 9		1688	14	1702	24.8+
	185-249 9		693	28	721	40.5+
	250-319 9		359	17	376	35.3+
	320-379 9		138	20	158	6.8+
	380-539 9		152	34	186	20.0+
	540-639 9		90	17	107	23.0+
	640 and over		181	8	189	35.0+
	TOTAL		244406	507	244913	2.5